

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

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Applicant

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1. The designated Office is hereby notified of its election made:

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patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*

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**“ONLINE DOCUMENT ASSEMBLER”****TECHNICAL FIELD**

This invention relates to document assembly systems and in particular, but not  
5 solely, a system which is accessed via the internet and assembles documents in  
response to user interaction over the internet.

**BACKGROUND ART**

Document assembly systems running in conjunction with standard word  
processing software are well known and typically involve the production of documents  
10 by merging variable information specific to the transaction being documented with a  
precedent form or a series of precedent paragraphs. At a slightly higher level of  
sophistication the assembly system will prompt and guide the user in real time to  
provide appropriate variable information as the agreement is being prepared.

More sophisticated document assembly systems are “intelligent” systems which  
15 ask the user a series of questions, not only to acquire variable information, but also to  
select appropriate clauses for the document with the system logic causing branching to  
the appropriate clause or to the next question based on answers given to the previous  
question.

Traditionally, document assembly systems are used by lawyers or paralegals in  
20 law offices and are not suited for use by lay people. Such systems are usually run on  
the local area network of the law firm. It has been perceived that there is a demand for  
lay persons to access document assemblers to produce legal documentation appropriate  
to a transaction being undertaken without the need to consult a lawyer. One pseudo  
online system intended to meet this demand is RapidDocs™. RapidDocs™ authoring  
25 software is purchased by law firms who prepare the base forms and logic for preparing  
documents for transactions which reflect the particular law firm’s expertise. End users  
acquire RapidDocs™ assembly software, which they may download from the internet,  
which allows them to assemble the appropriate document downloaded from the  
selected law firm. Documents appropriate to a users needs can be located by  
30 conducting a “Lawyer Search” which allows a search for a particular skill in a

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selected geographic area. The results provide a direct link to the RapidDocs™ documents available for downloading and purchase from the selected law firm's website.

The RapidDocs™ system has a number of disadvantages. These include the need for users to acquire and run document assembly software on their own PCS, and the need to locate a source of form documents appropriate to their transaction.

### DISCLOSURE OF INVENTION

It is an object of the present invention to provide a central document assembly system which is accessed by users over the internet and which goes at least some way towards overcoming the abovementioned disadvantages.

Accordingly in one aspect the invention consists in a document assembly system resident on a web server which allows a user with web connectivity and a browser to invoke said system and interactively assemble a document at the web server comprising:

a stored library of packets of text each relating to a different document and each document packet containing blocks of text that will meet a variety of possible contingencies for a document of that type,

means which dynamically create web pages applicable to a document which present document determining queries to the user's browser and capture decisions made by said user in response, together with unique user input data relevant only to the particular document being assembled,

means which selects from said library blocks of language based on said user decisions,

a database which stores said user data,

software that assembles said blocks of language and populates the assembled document with said user data,

and means for delivering the assembled document to said user.

In a further aspect the invention consists in authoring software for the creation of interactive web pages for a document assembly system resident on a web server comprising:

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WP application software which allows the creation of standard text for each of a plurality of documents and which incorporates macros and data fields,

software which includes:

means which creates interactive web pages for said web server,

5 said pages constructed to in use present document determining queries to a user and capture decisions made by said user in response, together with unique user data input,

means which establish rules for the storage of said user decisions and data input,

10 means which generate document-specific macros and fields for document text in said WP application, and means which select and trigger appropriate macros based on decisions captured by said web pages and populates appropriate fields with user input data.

Throughout this patent specification the term "internet" includes not only the public internet but also intranets, extranets and other networks using internet protocols. Furthermore, while the preparation of legal documents is the only described application of the present document assembly system, it should be understood that the system has many other applications and can automate the production or completion of a wide variety of forms.

20 The present invention makes use of a standard word processor which in the preferred form is Microsoft WORD™. However, other word processor packages such as Corel Word Perfect could be used and thus the generic acronym "WP" is used in this description to designate word processor software.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

25 Figure 1 is a diagram showing the key steps and elements of the document assembly system of the present invention;

Figure 2 is a diagram showing the steps employed in the authoring module;

Figure 3 is a fragment of a decision tree used in authoring a commercial lease according to the present invention;

Figures 4 to 8 show a small selection of web pages produced from the authoring software of the present invention for the production of a commercial lease and as made available to end users accessing the site to assemble such a document, and is a representation of the document assembly software indicating presentation layer,  
5 business rules and data warehouse.

## **BEST MODES FOR CARRYING OUT THE INVENTION**

### **Overview**

The present document assembly system is essentially a server side application that creates a process that allows an internet user to create a complex document through  
10 answering a menu of questions and entering data on active server pages (ASPs). It manages the front-end interface of creating and presenting the appropriate active server pages to the end user and storing the information and instructions as database tables in a database. It also handles the back-end process of creating the library of stored text, manipulating it according to the stored instructions, inserting captured data and  
15 converting it into fully formatted WP documentation which is downloaded to the user.

The back-end authoring process of creating the library of information that needs to pre-exist before the user commences creating a document, is done in WP using macros and merge fields. The coding for the web pages and the database tables to create a customised document can be generated by the system.

20 The document assembly system can be viewed as comprising two modules: authoring software and assembly software.

### **Authoring Software Overview**

This module allows server side staff involved in creating original documentation and processing commands to streamline the process of coding the WP documentation  
25 with mail merge and macro instructions and to create active server pages with plain language questions that trigger these commands without the need for manual coding.

The operation will be described using the example of a document assembly service provider creating an on-line automated process for making a will.

- (a) First a legal user creates a WP document that includes language for all the common options for that particular form of document and generates a decision

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tree to determine what clauses should be employed and what data should be captured depending on the end user's individual circumstances and requirements.

(b) A data entry operator opens the WP document before macros or fields have been inserted and then invokes the authoring software from an add-in menu.

(c) The data entry operator working with the lawyer enters data fields and macros to either take out blocks of text that are not applicable in the context of an individual transaction or enter data that is context specific to the transaction.

(d) A generic framework or template for a will is then created and an interview process set up on active server pages. The data entry operator is prompted as to what type of data fields needs to be attached to the interview answers (ie Free Text, Data, etc).

(e) Either a programmer manually creates the code to link the macros and fields in the core WP document with the database table in the database server or this process is carried out by the software.

(f) At this point, the web pages are plain with no formatting. A graphic designer may work on the Active Server Page code and add colours, formatting, layout, etc. Preferably these functions are performed by the software and are made available on a special purpose menu.

(g) Prompts may be entered in the template for each data field that will be displayed to the user on the web page. Typically a prompt is less than 10 words. Pull down pages containing extra help can be provided.

(h) A test is provided to test that when user completes all the required information it is sufficient to assemble a legally sound document.

#### **Assembly Software Overview**

This module merges data from the database 14 into a WP document and includes mail merge and macros to complete a full document ready for printing. The assembly application also invokes email messages from server to user giving instructions and progress reports.



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(a) The end user (in this case the person making the will) will be asked to provide through active server pages:

- unique data such as names and addresses of the grantor, beneficiaries, executors, etc
- decisions regarding the dispositions that the grantor wishes to make, eg for spouses, children, grandchildren, etc, and the appointment of trustees and executors which will result in various blocks of text from the core document being retained and other blocks excluded.

(b) The assembly application gathers this information from the user through active server pages and codes this data in a database table in the database server.

(c) The user web pages will, on completion of the interview process offer a button for "complete and send document". That command will trigger a merge (assemble) of the document. This process will not only merge the data from the database table but also invoke any macros that are required to be run to complete the formatting of the document.

(d) Typically the document is then saved as a WP and/or PDF file and the web user is e-mailed that their document is ready for download from the web site.

#### **Document Assembly Software and Process**

The assembly software is preferably a VB application compiled as a dll. The dll handles the following options:

- (a) the pages do not exist until the user calls them, the info comes from the database and the dll extracts the information from a database and creates an xml file, which gets parsed with an xsl through an asp processor to product an html page.
- (b) the pages are created by the authoring software and published as an asp page to the server.
- (c) the include file is created by the server.

On submission of the form the application accepts the query string for form collection and checks to see if there is a data xml file. If there is no xml file then a new one is created. If one exists then that is opened to see if the elements already exist, if they exist then the data value is updated. If they do not exist then new elements are added.

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On completion of the web forms the user gets the finish page, from here the dll makes a text file from the xml file and then merges that with the WORD document.

Figure 1 outlines the essential steps which are followed when an online user requests the preparation of a document. Upon logging on to the site the user's browser is presented with a document list page 101, he selects the document required and is presented with the start page 102 for that document. Alternatively the user may wish to revise a document previously prepared and is presented with the start page 103 for that document. It should be understood that what the online user sees are not pages of the document, but rather pages on the site which present and preceive information which controls the assembly of the document.

The user then enters a series of question pages 104 where questions appropriate to that particular document are asked. For example in a commercial lease there will be a page asking "What kind of legal entity is the landlord?" (see Figure 6). This may be followed by another page which will ask "Do you want to provide for mortgagee's consent?" (see Figure 8). There will also be pages for receiving the full name, address, and other contact details of the parties to the agreement. Examples of these are shown in Figures 5 and 7 and will be described later.

As each question page is answered the answers are stored at the site, preferably in the same file which carries the questions. Preferably an XML file is used. The user then is displayed with a "finish" page 105 where he will indicate that he wishes the document to be assembled or saved for completion later. Upon clicking an assemble button the XML, file with questions and answers, is passed from site server 106 to one or more document assembly servers 107. In simple sites the assembly server function may be carried out on the same hardware as the site server resides. The assembly process involves the selection of stored blocks of text, for example clauses in a legal agreement, from the totality of blocks of text in a library for that agreement. The library will be stored in a database 110. The selection is at least in part determined by the answers contained in the XML file.

In addition the variable data entered by the user is extracted from the XML file, possibly converted to a .txt file and is then merged in WORD with the selected clauses

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to create the assembled document 108. The user's answers are then saved in a table in a database 109 which could take any known database form. A copy of the entire assembled document 111 may also be stored in database 110. The user will have indicated at the finish page where the document is to be published to. This may be an email process 112 where the document is emailed to the address determined by the user. The format of the document emailed to the user may be a WORD document which would allow further changes by the user, or for lay users, more probably a document in PDF format. In the preferred form of the invention during the assembly process the user will not see any part of the actual document being created until it is emailed to him at the end of the process. The user may also be given the choice of downloading the document from the website.

#### **Authoring Software and Process**

The authoring software is installed on the authors computer. When the author starts up WORD then under the Tools menu he will see the menu items under the add-in software link.

The authoring software consists of one data file, either a SQL Server or MSDE file. It may also include the Microsoft Data Engine in case the author does not have an SQL Server. It will also consist of an application file that will be a compiled Visual Basic program. This will contain all the user interface and functionality.

The process for authoring base documents for assembly by subsequent users is indicated in Figure 2. A word processing document for a particular transaction is created 121, for example using Microsoft WORD, or alternatively an existing WORD document is accessed. The authoring software of the present invention will reside on the author's computer system as a Microsoft WORD add-in. Thus the second stage 122 of the process will be to open the add-in software of the present invention. This converts the WORD document to a special document by changing some of the document attributes. This allows the author to add web controls to the document such as insert free text, insert multi-line text box, numeric values, radio button choices, drop-down menu choices, tick box choices, multi-answer questions, pre-populated text area, lists, dates, and conditional paragraphs.

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The author must next construct a decision tree to establish the business rules or logic which will determine which document text is to be used in any given assembly of the document in response to answers given by end users. This must be guided by someone expert in field to which the document applies. The author must construct questions appropriate to the logic. The logic takes the form of a decision tree. The length of the decision tree will depend upon the complexity of the document and the total number of possible forms it may take. A tiny fragment of a decision tree for a commercial lease is shown in Figure 3. This part of the tree solely relates to the choice of the tenant. The author in this case has decided that the tenant may take one of six forms. These are indicated in the row P and the author here has allowed for the tenant to be one of an individual, a New Zealand company, an overseas company, a trustee or trustees, a New Zealand incorporated society or an "other" entity. The author decides that to assist the lay user examples of the format to be used for each of the tenant types should be displayed to the user. These are set out in the H row of Figure 3 and will in use be placed by the software on the tenant webpage, alongside the selection buttons corresponding to tenant types P as shown in Figure 4.

The author will then provide data fields for the end user to insert variable data. This is row D in Figure 3 and in the example this is where the user will be required to insert the name and address of the tenant as shown in Figure 5. The add-in software marks fields added by the author to the WORD document as merge fields and allocates a unique field ID so that during the assembly process the data captured from the end user in the XML file can be merged in the correct places in the WORD document.

The software of the present invention allows the author to establish and format the document question pages using dialogue box 123 (Figure 2) based on the decision tree which has been constructed. The question page dialogue may be reviewed, placed on appropriate web pages, etc. The next step is provided by the authoring software allows the author to select the look and feel for the webpages presented to the end user, including background colour, font colour and type, and the like.

Next step 125 allows the author to draw notes for the final or "finish" page 125. Here the author will decide what webpage user is taken to when the document

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is assembled and select the final action such as email the document to the user or email a link to the document or provide a webpage with the document link.

In step 126 the author determines the format in which the assembled document will be delivered. For example WORD, PDF, RTF, XML, or SOAP. It will also  
5 determine where the document is to be delivered, if by email, whether it is an address inserted by the user or a default address.

The final step is for the author to specify the URL of a site running the assembly software where the web pages are to be posted.

#### **Format of Web Pages Created by Authoring Software**

10 The nature of the webpages created by an author using the authoring software of the present invention is shown by way of example in Figures 4 to 8. The example is the commercial lease previously referred to. The webpage established by the software in response to the authors decisions entered in step 123 for the tenant are shown in Figures 4 and 5. Figure 4 contains questions as to the type of legal entity of  
15 the tenant, allows selection by the end user and provides next to the questions example formats corresponding to those in row H of Figure 3. The webpage to accept variable data from the user corresponding to name and address of tenant and indicated in row D of Figure 3 is shown in Figure 5. Other question pages and data input pages appropriate to a commercial lease and corresponding to the tenant pages already  
20 referred to are shown by way of example in Figures 6 to 8.

#### **Technical Representation of the Presentation Layer/Business Rules/Data Warehouse**

A schematic of the presentation layer/business rules and data warehouse structure is shown in Figure 9. In the example shown the system is referred to as  
25 DOCDOLETTLE™ and the terms used in the schematic are explained in the following appendix.

## APPENDIX

### DOC DOLITTLE™ Server – Basic Glossary

#### *logError*

- 5      29 April 2001 Description : This sub records information about errors that have occurred in : the document server. The error information is stored in a file : named “errorLog.xml” this file is created in the root dir when : the first error occurs.

#### *CreateNewDir*

This sub creates a new virtual directory

#### 10      *changeDirName*

This sub alters the name of the directory located at the supplied path. : The parameter “name” is the new name of the directory.

#### *checkLogin*

True or False depending on the values of the password params

#### 15      *deleteDocument*

This Sub deletes the document that has the same ID as the supplied : menuID in the Doclist. : the document's "document element is removed from the DocList, then the : .xml, .xsl, and .doc files for that document are removed

#### *editDir*

- 20      HTML string of the current Web page to be displayed.

#### *getDirs*

HTML string of the current Web page to be displayed.

#### *getMenu*

a HTML string of the page we are displaying

#### 25      *getPage*

HTML string of the current Web page to be displayed.

params for getting data out of the request object

#### *updateMenu*

- 30      This sub updates the document details in the DocList. : The menuID of the document is passed in the “menuID” parameter. : The other parameters are the details

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that can be changed for that document. : I the active detail of the document is set to "no" then the document will not be : displayed in the Document List in the browser.

***validateUser***

HTML string of the page to be displayed

**5      DocAssembler*****mergeDocument***

22 Feb 2001 Decription : Calls merge on the document who's name is passed in as filename. Stores a copy of the variables in the xml needed after the merge is finished then generates the data file for the document by calling getCSV on the xml data file.

10      Then mergeDocument merges the source document (filename) with the generated datafile. Then the document is emailed to the document creator and, if parameter emailAddress was supplied, to that email address also.

***mm\_Assemble***

22 Feb 2001 Decription : This function is copied from the Owldocuments Web Processor. It takes a datafile name, a source document name and a completed document name and merges the datafile and the source document into the completed file.

15

**DocMail*****di\_SendMessage***

22 Feb 2001 Decription : This function is copied from the Owldocuments webprocesor. It sends an email to the strSendTo address with the other parameters as parameters of the mail.

20

**DoctorX*****Operations******GetHTML***

22 Feb 2001 Decription : Accepts the name of a document currently on the server and uses that file name to access the xml data file for that document. Using this xml file and the xsl file supplied from the client, the function builds an HTML string of the page to be displayed. This HTML string is returned out of the function.

25

***createWorkingFile***

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22 Feb 2001 Description : This function saves a copy of the xml file "filename" to a temporary xml file with a 4 digit random string added to the file name. This file is used to hold a specific users answers.

***getErrorLog***

5 22 Feb 2001 Description : This function returns the contents of errorLog.xml transformed against errorLog.xsl

***getMenu***

This function is also implemented in DocAdmin with more functionality. : I have left this function here also because older default.asp pages use it.

10 ***moveFiles***

Place Menu Item in DocList.xml

***updateXML***

22 Feb 2001 Description : Updates the data in the current xml data file to be what the user has entered and saves it back to disc.

15 27 April 2001: Now we pass in the page number we are going to next in the param 'nextpage' this is so we can eventually implement decision paths through the document, not just straight through. Also the answer node now has an 'id' and a 'value', so we can implement multianswer questions.

***PageHandler***

20 ***doc\_Assemble***

February 2001 Description : This function gets the required information out of the request object : then calls DoctorX's mergeDocument method to assemble the document. : The function returns the URL of the next page that the user will be directed to.

25 ***doc\_Document***

February 2001 Description : This function is the first contact for users entering information into the web. : The function gets the question names and answers out of the Request Object : It then calls DoctorX's updateXML method to write answers to the working : XML file. Then we call getHTML to get the HTML for the next page that we are : going to return to the browser.

30



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***doc\_ErrorLog***

April 2001 Decription : This function returns the errorLog for the DocServer

***doc\_StartPage***

February 2001 Decription : This function calls DoctorX's createworkingFile then  
5 passes back the name of the : new working file that it has just created.

**CLAIMS:**

1. A document assembly system resident on a web server which allows a user with web connectivity and a browser to invoke said system and interactively assemble a document at the web server comprising:

5 a stored library of packets of text each relating to a different document and each document packet containing blocks of text that will meet a variety of possible contingencies for a document of that type,

10 means which dynamically create web pages applicable to a document which present document determining queries to the user's browser and capture decisions made by said user in response, together with unique user input data relevant only to the particular document being assembled,

means which selects from said library blocks of language based on said user decisions,

15 a database which stores said user data,  
software that assembles said blocks of language and populates the assembled document with said user data,  
and means for delivering the assembled document to said user.

20 2. Authoring software for the creation of interactive web pages for a document assembly system resident on a web server comprising:

WP application software which allows the creation of standard text for each of a plurality of documents and which incorporates macros and data fields,

software which includes:

25 means which creates interactive web pages for said web server,  
said pages constructed to in the present document determining queries to a user and capture decisions made by said user in response, together with unique user data input,

means which establish rules for storage of said user decisions and user data input,

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means which generate document-specific macros and fields for document text in said WP application, and means which select and trigger appropriate macros based on decisions captured by said web pages and populates appropriate fields with user input data.

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## Site Map (Message Queuing Enabled)

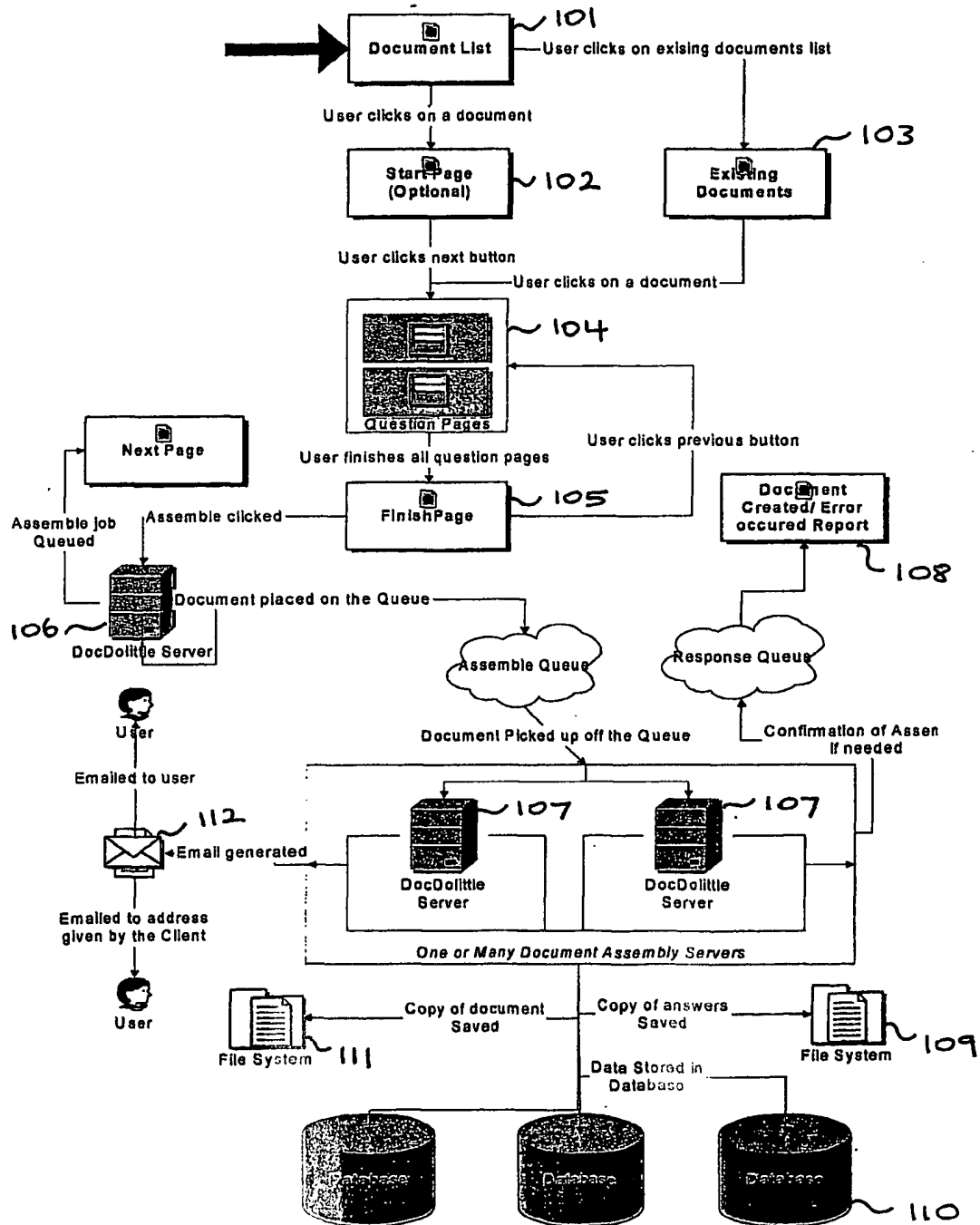
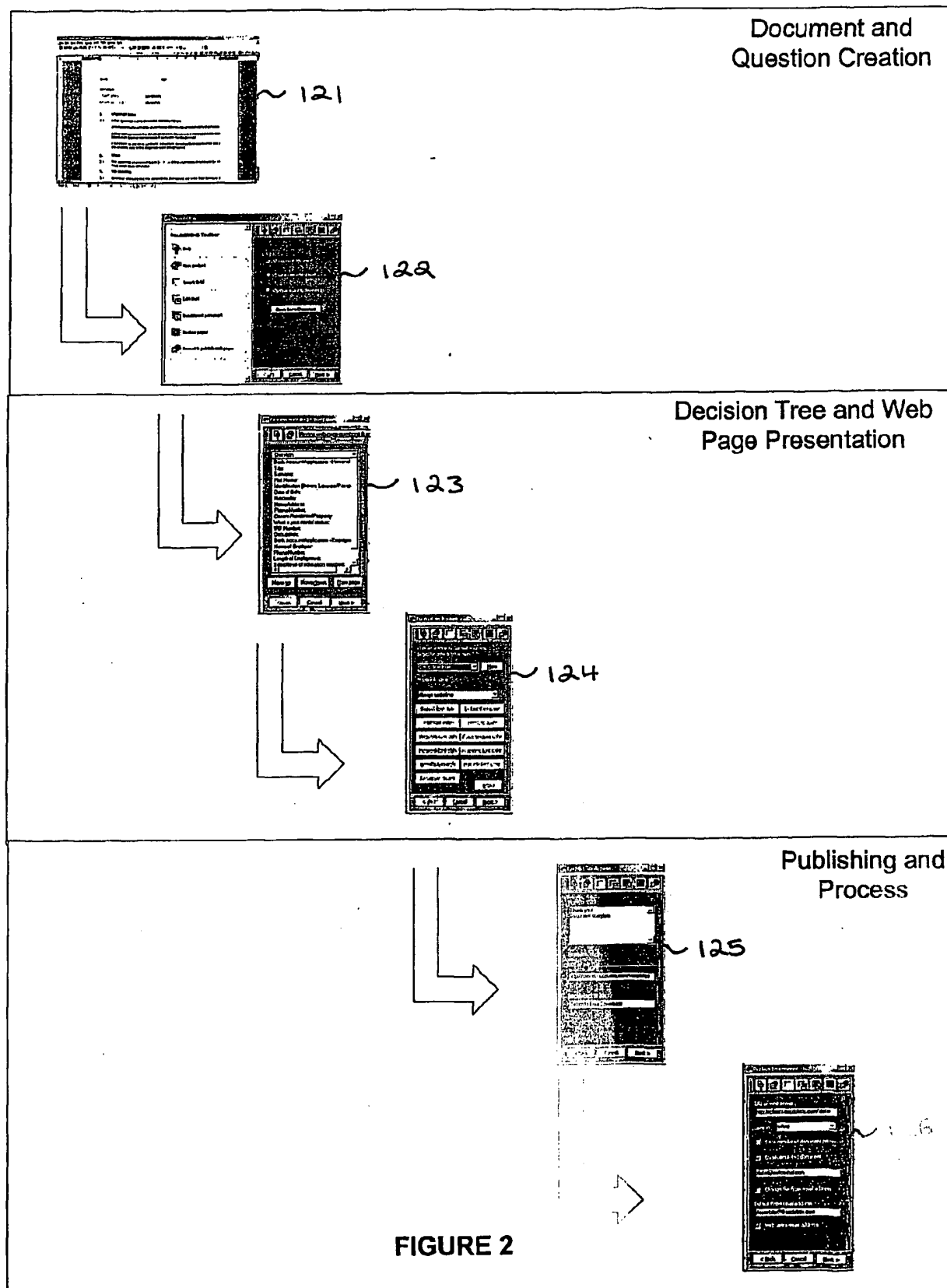


FIGURE 1



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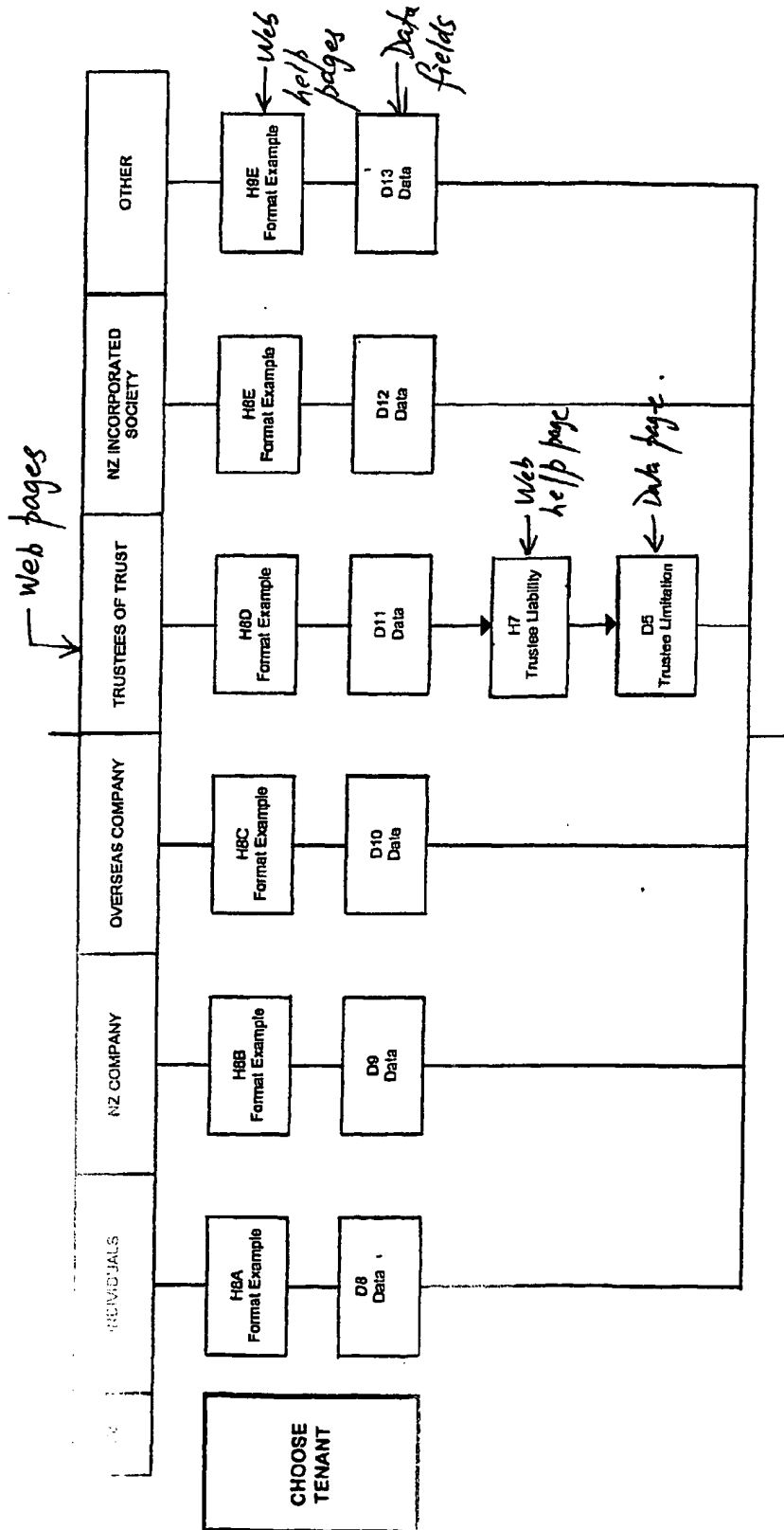


FIGURE 3

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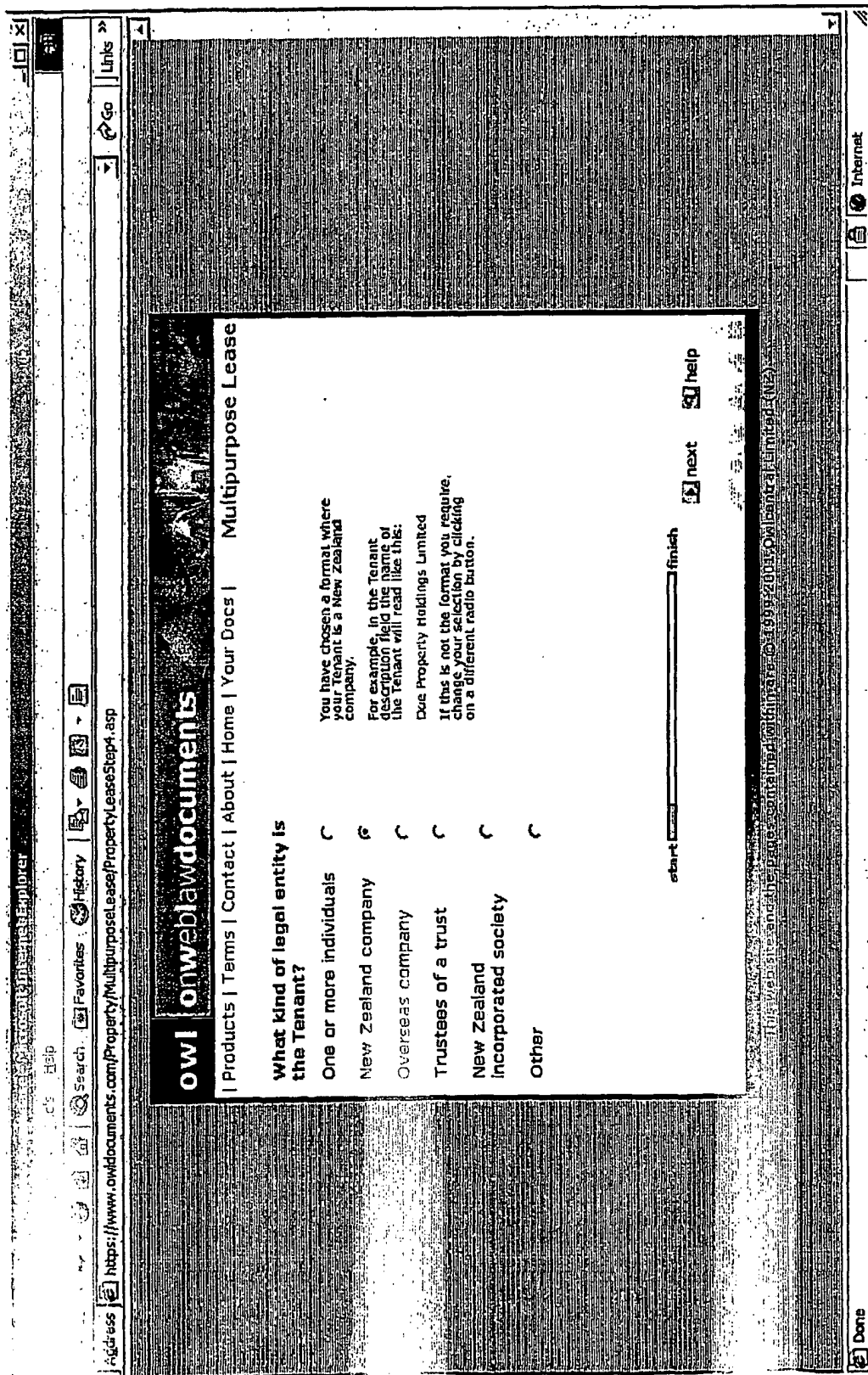


FIGURE 4

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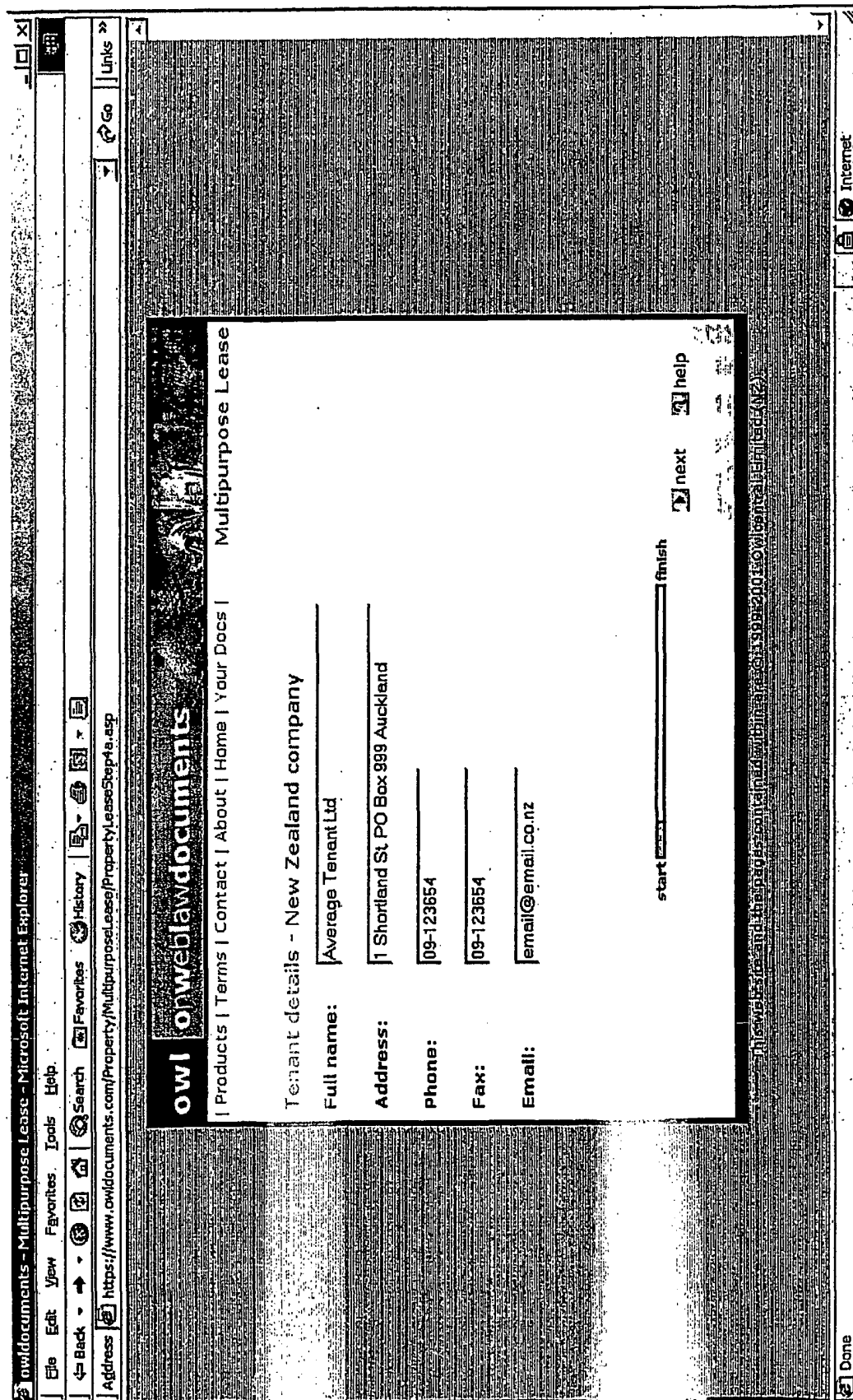


FIGURE 5



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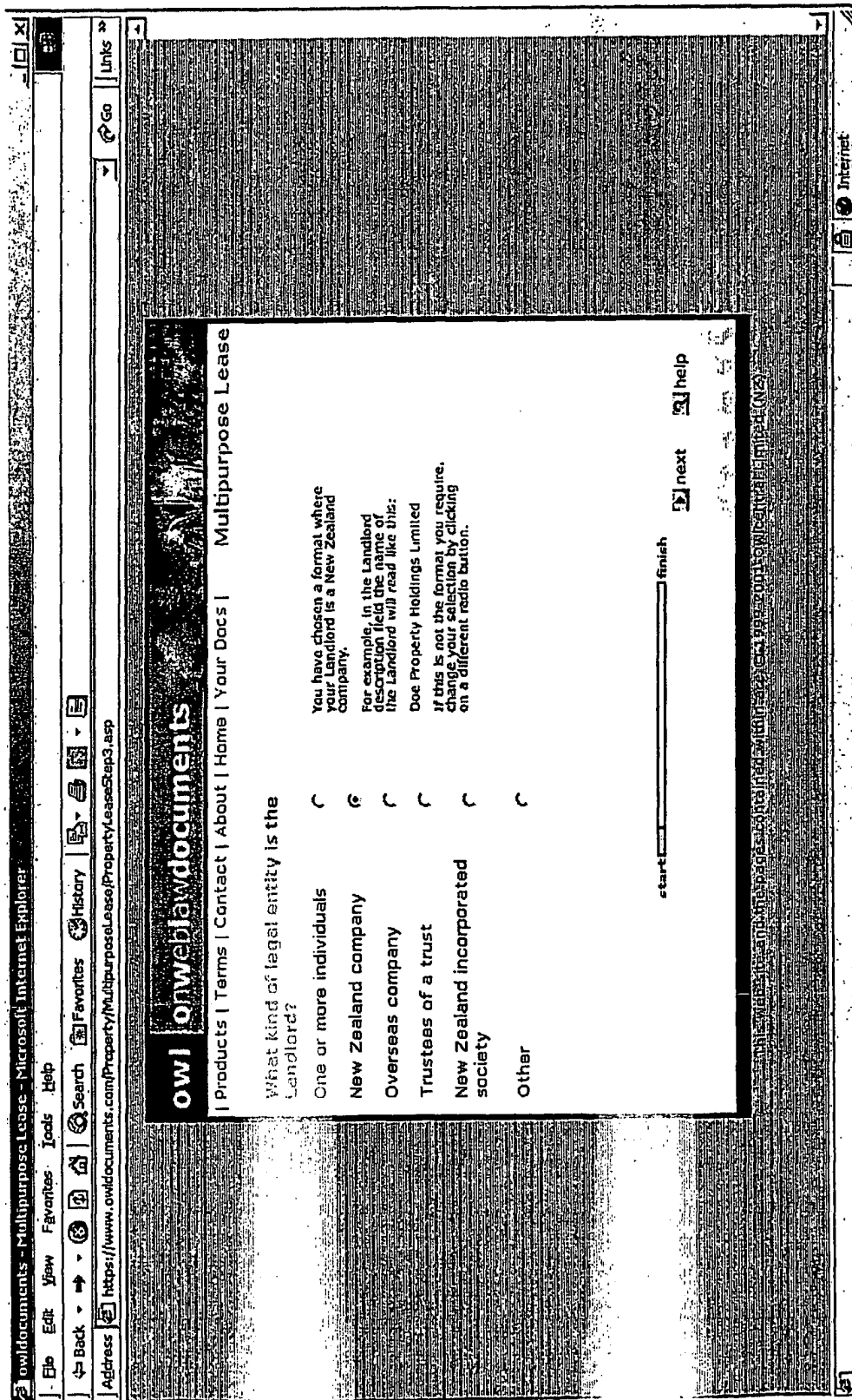


FIGURE 6

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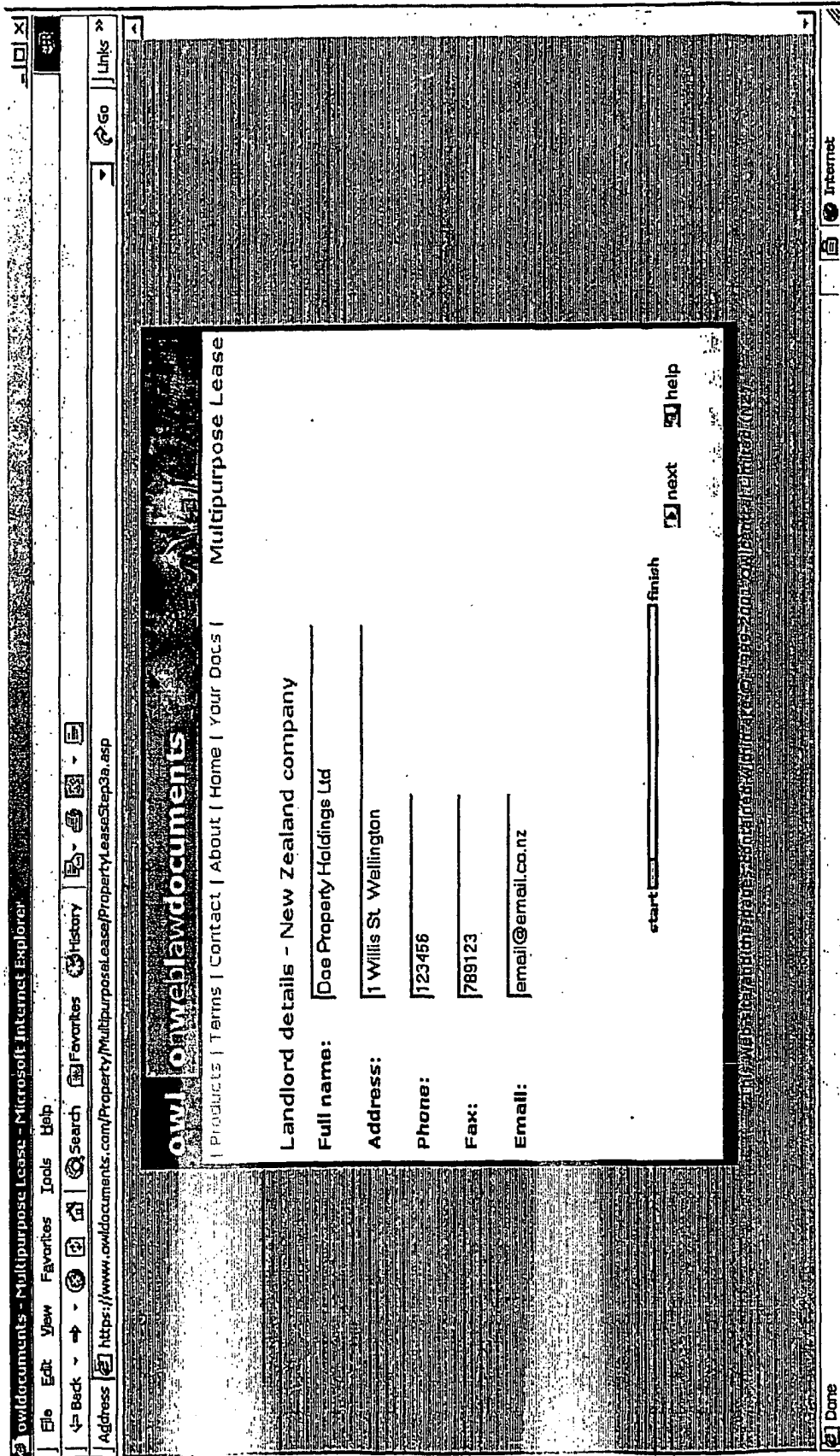


FIGURE 7

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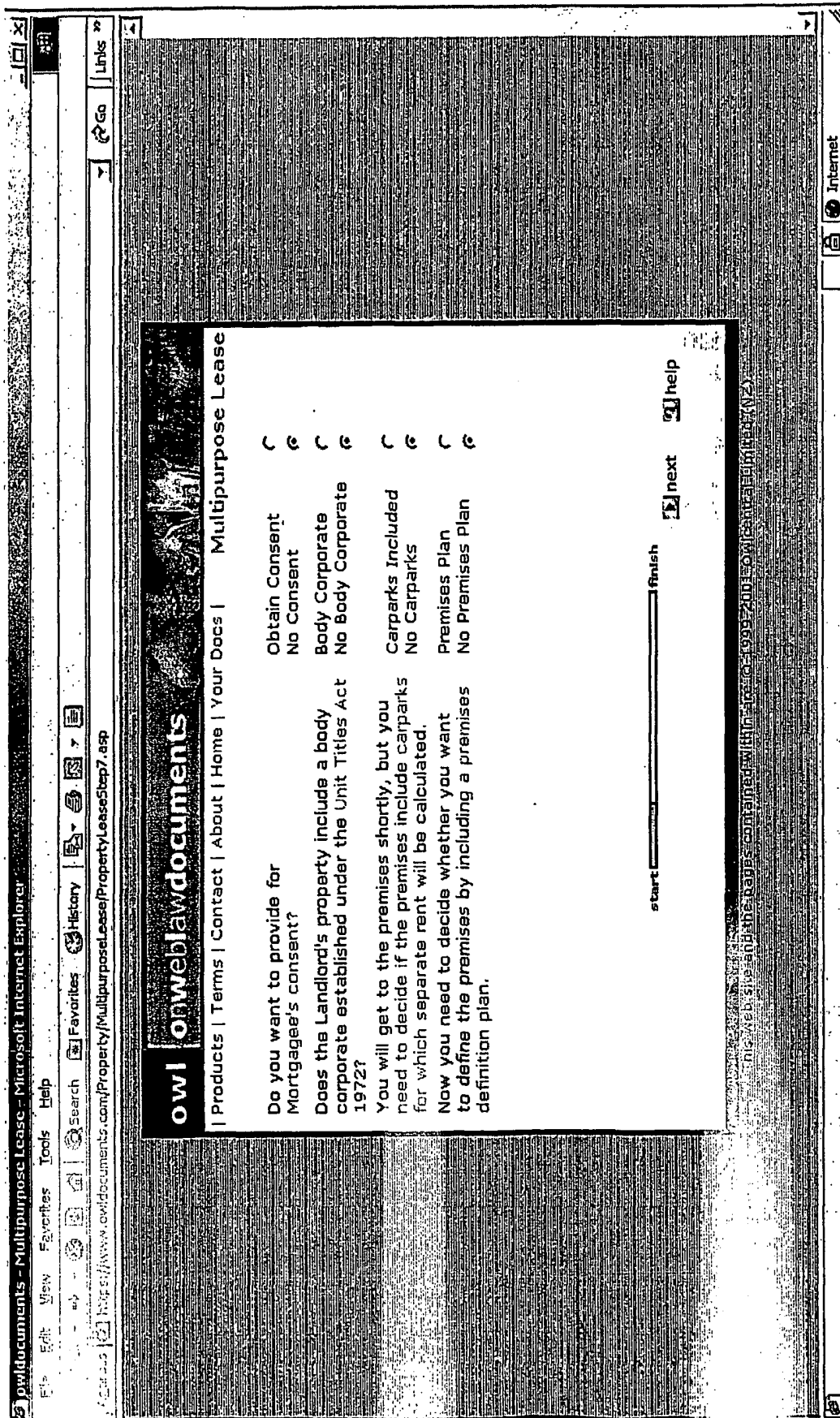
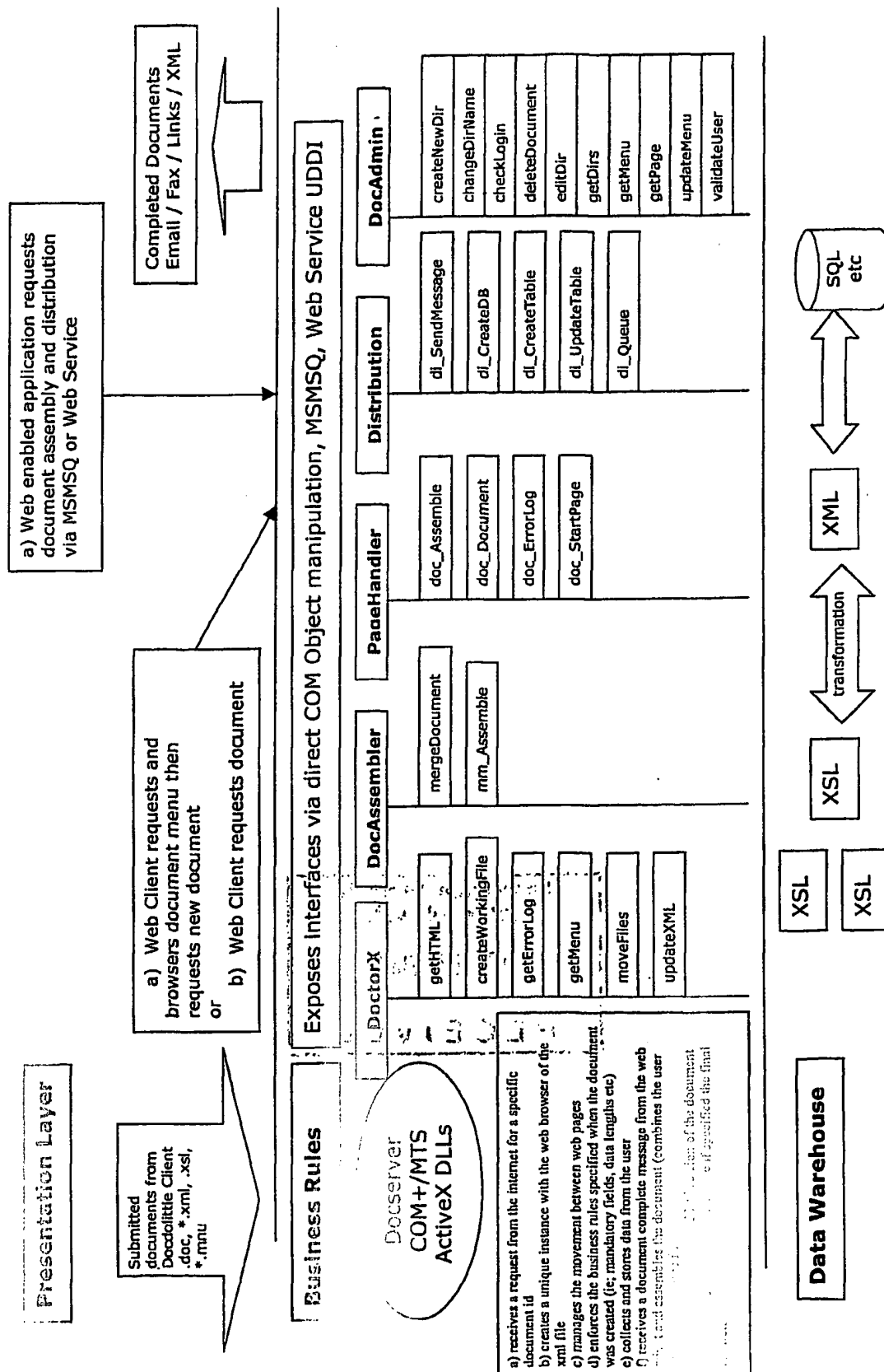


FIGURE 8



## FIGURE 9

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ01/00153

**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. <sup>7</sup>: G06F 17/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC: G06F 17/20, 17/21, 17/22, 17/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO, DWPI (document, prompt, template, internet)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6067531 A (HOYT et al) 23 <sup>rd</sup> May 2000 column 2, lines 12-56, column 4, lines 14-37 & 55-57, column 31, lines 25-42, column 36, lines 35-59	1
A	WO 98/57284 A (DOCUMENTS LIMITED) 17 <sup>th</sup> December 1998 the whole document	1-2
A	US 5893914 A (CLAPP) 13 <sup>th</sup> April 1999 the whole document	1-2

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

October 2001

and mailing address of the ISA/AU

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Date of mailing of the international search report 22 OCT 2001

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Telephone No : (02) 6283 2017

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ01/00153

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5313394 A (CLAPP) 17 <sup>th</sup> May 1994 the whole document	1-2
A	US 5272623 A (GRUBB et al) 21 <sup>st</sup> December 1993 the whole document	1-2
A	US 5692206 A (SHIRLEY et al) 25 <sup>th</sup> November 1997 the whole document	1-2
A, P	US 6182095 B (LEYMASTER et al) 30 <sup>th</sup> January 2001 the whole document	1-2

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/NZ01/00153**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	6067531	NONE					
WO	9857284	AU	80273/98	EP	988609	ZA	9805015
US	5893914	CA	2056865	US	5313394	CA	2071307
US	5272623	NONE					
US	5692206	NONE					
US	6182095	NONE					
END OF ANNEX							

09/926185

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 29 JUL 2002

WIPO PCT

Applicant's or agent's file reference P443889 KRM	<b>FOR FURTHER ACTION</b>	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. <b>PCT/NZ01/00153</b>	International Filing Date ( <i>day/month/year</i> ) 27 July 2001	Priority Date ( <i>day/month/year</i> ) 27 July 2000
International Patent Classification (IPC) or national classification and IPC <b>Int. Cl.<sup>7</sup> G06F 17/20</b>		
Applicant <b>OWLCENTRAL LIMITED et al</b>		

1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.																
2.	<p>This REPORT consists of a total of 3 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheet(s).</p>																
3.	<p>This report contains indications relating to the following items:</p> <table border="0"> <tr> <td>I</td> <td><input checked="" type="checkbox"/> Basis of the report</td> </tr> <tr> <td>II</td> <td><input type="checkbox"/> Priority</td> </tr> <tr> <td>III</td> <td><input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td>IV</td> <td><input type="checkbox"/> Lack of unity of invention</td> </tr> <tr> <td>V</td> <td><input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td>VI</td> <td><input type="checkbox"/> Certain documents cited</td> </tr> <tr> <td>VII</td> <td><input type="checkbox"/> Certain defects in the international application</td> </tr> <tr> <td>VIII</td> <td><input type="checkbox"/> Certain observations on the international application</td> </tr> </table>	I	<input checked="" type="checkbox"/> Basis of the report	II	<input type="checkbox"/> Priority	III	<input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	IV	<input type="checkbox"/> Lack of unity of invention	V	<input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	VI	<input type="checkbox"/> Certain documents cited	VII	<input type="checkbox"/> Certain defects in the international application	VIII	<input type="checkbox"/> Certain observations on the international application
I	<input checked="" type="checkbox"/> Basis of the report																
II	<input type="checkbox"/> Priority																
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IV	<input type="checkbox"/> Lack of unity of invention																
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VI	<input type="checkbox"/> Certain documents cited																
VII	<input type="checkbox"/> Certain defects in the international application																
VIII	<input type="checkbox"/> Certain observations on the international application																

Date of submission of the demand 20 February 2002	Date of completion of the report 19 July 2002
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer  <b>J W Thomson</b> Telephone No. (02) 6283 2214



**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims 1-2	YES
	Claims	NO
Inventive step (IS)	Claims 1-2	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-2	YES
	Claims	NO

**2. Citations and explanations (Rule 70.7)**

- D1: WO 98/57284 A
- D2: US 5,893,914 A
- D3: US 5,313,394 A
- D4: US 5,272,623 A
- D5: US 5,692,206 A

These documents represent the closest prior art. Each document discloses a legal document generation system similar to that claimed. The claimed invention differs from the prior art in that the interactive process used to assemble the document occurs over the internet, between a web server and a client, using dynamically generated web pages to query the user and capture data unique to the user. This difference is considered to be novel, and to constitute an inventive step.

**I. Basis of the report****1. With regard to the elements of the international application:\***

- ☒ the international application as originally filed.
- ☐ the description,        pages , as originally filed,  
   pages , filed with the demand,  
   pages , received on    with the letter of
- ☐ the claims,        pages , as originally filed,  
   pages , as amended (together with any statement) under Article 19,  
   pages , filed with the demand,  
   pages , received on    with the letter of
- ☐ the drawings,        pages , as originally filed,  
   pages , filed with the demand,  
   pages , received on    with the letter of
- ☐ the sequence listing part of the description:  
   pages , as originally filed  
   pages , filed with the demand  
   pages , received on    with the letter of

**2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.**

These elements were available or furnished to this Authority in the following language which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

**3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:**

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

**4. ☐ The amendments have resulted in the cancellation of:**

- ☐ the description,        pages
- ☐ the claims,        Nos.
- ☐ the drawings,        sheets/fig.

**5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\***

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

# PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For Receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) P443889 KRM

**Box No. I TITLE OF INVENTION**  
ONLINE DOCUMENT ASSEMBLER

**Box No. II APPLICANT** ☐ This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

OWLCENTRAL LIMITED  
Level 15, Auckland Club Tower  
34 Shortland Street  
Auckland  
NEW ZEALAND

Telephone No.  
+64 (09) 976 3600

Facsimile No.  
+64 (09) 976 3601

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality:  
New Zealand

State (that is, country) of residence:  
New Zealand

This person is applicant for the purposes of: ☐ all designated States ☒ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

**Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)**

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

WORTHINGTON, Steve  
46 Kupe Street  
Orakei  
Auckland  
NEW ZEALAND

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

Applicant's registration No. with the Office

State (that is, country) of nationality:  
New Zealand

State (that is, country) of residence:  
New Zealand

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

**Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: ☒ agent ☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

A J PARK; CALHOUN, Douglas C; GRIFFITHS, Teresa V;  
SYDDALL, Thomas H; THOMSON, Keith C; MOON,  
Kenneth R; & JONES, David J; all Intellectual Property  
Lawyers & Patent Attorneys of Huddart Parker Building, 1  
Post Office Square, Wellington, New Zealand

Telephone No.  
+64 9 356 6996

Facsimile No.  
+64 9 356 6990

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

<b>Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)</b>	
<i>If none of the following sub-boxes is used, this sheet should not be included in the request.</i>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>GATES, Alistar</b>  <b>52 Pembroke Street</b>  <b>Glendowie</b>  <b>Auckland</b>  <b>NEW ZEALAND</b></p>	<p><b>This person is:</b></p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
<p>State (that is, country) of nationality:  <b>New Zealand</b></p>	<p>State (that is, country) of residence:  <b>New Zealand</b></p>
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>GATES, Rod</b>  <b>52 Pembroke Street</b>  <b>Glendowie</b>  <b>Auckland</b>  <b>NEW ZEALAND</b></p>	<p><b>This person is:</b></p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
<p>State (that is, country) of nationality:  <b>New Zealand</b></p>	<p>State (that is, country) of residence:  <b>New Zealand</b></p>
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>CAM, David</b>  <b>318c Upper Harbour Drive</b>  <b>Greenhithe</b>  <b>Auckland</b>  <b>NEW ZEALAND</b></p>	<p><b>This person is:</b></p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
<p>State (that is, country) of nationality:  <b>Australia</b></p>	<p>State (that is, country) of residence:  <b>New Zealand</b></p>
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><small>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</small></p> <p><b>CREAGH, Phil</b>  <b>169 Kohimarama Road</b>  <b>Kohimarama</b>  <b>Auckland</b>  <b>NEW ZEALAND</b></p>	<p><b>This person is:</b></p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)</p> <p>Applicant's registration No. with the Office</p>
<p>State (that is, country) of nationality:  <b>New Zealand</b></p>	<p>State (that is, country) of residence:  <b>New Zealand</b></p>
<p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p>	
<p><input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.</p>	

**Box No. V DESIGNATION OF STATES***Mark the applicable check-boxes below; at least one must be marked.*

The following designations are hereby made under Rule 4.9(a):

**Regional Patent**

- ☒ **AP** ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ **EA** Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP** European Patent: AT Austria, BE Belgium, CH & LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA** OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line) .....

**National Patent** (if other kind of protection or treatment desired, specify on dotted line):

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> AE United Arab Emirates               | <input checked="" type="checkbox"/> GH Ghana                                     | <input checked="" type="checkbox"/> MX Mexico                      |
| <input checked="" type="checkbox"/> AG Antigua and Barbuda                | <input checked="" type="checkbox"/> GM Gambia                                    | <input checked="" type="checkbox"/> MZ Mozambique                  |
| <input checked="" type="checkbox"/> AL Albania                            | <input checked="" type="checkbox"/> HR Croatia                                   | <input checked="" type="checkbox"/> NO Norway                      |
| <input checked="" type="checkbox"/> AM Armenia                            | <input checked="" type="checkbox"/> HU Hungary                                   | <input checked="" type="checkbox"/> NZ New Zealand                 |
| <input checked="" type="checkbox"/> AT Austria                            | <input checked="" type="checkbox"/> ID Indonesia                                 | <input checked="" type="checkbox"/> PL Poland                      |
| <input checked="" type="checkbox"/> AU Australia                          | <input checked="" type="checkbox"/> IL Israel                                    | <input checked="" type="checkbox"/> PT Portugal                    |
| <input checked="" type="checkbox"/> AZ Azerbaijan                         | <input checked="" type="checkbox"/> IN India                                     | <input checked="" type="checkbox"/> RO Romania                     |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina             | <input checked="" type="checkbox"/> IS Iceland                                   | <input checked="" type="checkbox"/> RU Russian Federation          |
| <input checked="" type="checkbox"/> BB Barbados                           | <input checked="" type="checkbox"/> JP Japan                                     |  |
| <input checked="" type="checkbox"/> BG Bulgaria                           | <input checked="" type="checkbox"/> KE Kenya                                     | <input checked="" type="checkbox"/> SD Sudan                       |
| <input checked="" type="checkbox"/> BR Brazil                             | <input checked="" type="checkbox"/> KG Kyrgyzstan                                | <input checked="" type="checkbox"/> SE Sweden                      |
| <input checked="" type="checkbox"/> BY Belarus                            | <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea     | <input checked="" type="checkbox"/> SG Singapore                   |
| <input checked="" type="checkbox"/> BZ Belize                             | <input checked="" type="checkbox"/> KR Republic of Korea                         | <input checked="" type="checkbox"/> SI Slovenia                    |
| <input checked="" type="checkbox"/> CA Canada                             | <input checked="" type="checkbox"/> KZ Kazakhstan                                | <input checked="" type="checkbox"/> SK Slovakia                    |
| <input checked="" type="checkbox"/> CH & LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> LC Saint Lucia                               | <input checked="" type="checkbox"/> SL Sierra Leone                |
| <input checked="" type="checkbox"/> CN China                              | <input checked="" type="checkbox"/> LK Sri Lanka                                 | <input checked="" type="checkbox"/> TJ Tajikistan                  |
| <input checked="" type="checkbox"/> CO Colombia                           | <input checked="" type="checkbox"/> LR Liberia                                   | <input checked="" type="checkbox"/> TM Turkmenistan                |
| <input checked="" type="checkbox"/> CR Costa Rica                         | <input checked="" type="checkbox"/> LS Lesotho                                   | <input checked="" type="checkbox"/> TR Turkey                      |
| <input checked="" type="checkbox"/> CU Cuba                               | <input checked="" type="checkbox"/> LT Lithuania                                 | <input checked="" type="checkbox"/> TT Trinidad and Tobago         |
| <input checked="" type="checkbox"/> CZ Czech Republic                     | <input checked="" type="checkbox"/> LU Luxembourg                                | <input checked="" type="checkbox"/> TZ United Republic of Tanzania |
| <input checked="" type="checkbox"/> DE Germany                            | <input checked="" type="checkbox"/> LV Latvia                                    | <input checked="" type="checkbox"/> UA Ukraine                     |
| <input checked="" type="checkbox"/> DK Denmark                            | <input checked="" type="checkbox"/> MA Morocco                                   | <input checked="" type="checkbox"/> UG Uganda                      |
| <input checked="" type="checkbox"/> DM Dominica                           | <input checked="" type="checkbox"/> MD Republic of Moldova                       | <input checked="" type="checkbox"/> US United States of America    |
| <input checked="" type="checkbox"/> DZ Algeria                            |  |  |
| <input checked="" type="checkbox"/> EC Ecuador                            | <input checked="" type="checkbox"/> MG Madagascar                                | <input checked="" type="checkbox"/> UZ Uzbekistan                  |
| <input checked="" type="checkbox"/> EE Estonia                            | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia | <input checked="" type="checkbox"/> VN Viet Nam                    |
| <input checked="" type="checkbox"/> ES Spain                              | <input checked="" type="checkbox"/> MN Mongolia                                  | <input checked="" type="checkbox"/> YU Yugoslavia                  |
| <input checked="" type="checkbox"/> FI Finland                            | <input checked="" type="checkbox"/> MW Malawi                                    | <input checked="" type="checkbox"/> ZA South Africa                |
| <input checked="" type="checkbox"/> GB United Kingdom                     |  | <input checked="" type="checkbox"/> ZW Zimbabwe                    |
| <input checked="" type="checkbox"/> GD Grenada                            |  |  |
| <input checked="" type="checkbox"/> GE Georgia                            |  |  |

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

- ☒ GQ Equatorial Guinea
- ☐ .....
- ☐ .....
- ☐ .....

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

**Box No. VI PRIORITY CLAIM**

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) 27 July 2000 (27/07/2000)	506004	New Zealand		
item (2)				
item (3)				
item (4)				
item (5)				

☐ Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐ all items   
 ☒ item (1)   
 ☐ item (2)   
 ☐ item (3)   
 ☐ item (4)   
 ☐ item (5)   
 ☐ other, see Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): . . . .

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / AU

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

**Box No. VIII DECLARATIONS**

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of  
declarations

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | : |

**Box No. IX CHECK LIST: LANGUAGE OF FILING**

This international application contains:		This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
(a) the following number of sheets in paper form:		1. <input checked="" type="checkbox"/> fee calculation sheet	1
request (including declaration sheets)	5	2. <input type="checkbox"/> original separate power of attorney	
description (excluding sequence listing part)	14	3. <input type="checkbox"/> original general power of attorney	
claims	2	4. <input type="checkbox"/> copy of general power of attorney; reference number, if any:	
abstract	1	5. <input type="checkbox"/> statement explaining lack of signature	
drawings	9	6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):	
Sub-total number of sheets	31	7. <input type="checkbox"/> translation of international application into (language):	
sequence listing part of description (actual number of sheets if filed in paper form, whether or not also filed in computer readable form: see (b) below)	-	8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	
Total number of sheets	31	9. <input type="checkbox"/> sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other))	
(b) sequence listing part of description filed in computer readable form		(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	
(i) <input type="checkbox"/> only (under Section 801(a)(i))		(ii) <input type="checkbox"/> (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	
(ii) <input type="checkbox"/> in addition to being filed in paper form (under Section 801(a)(ii))		(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listing part mentioned in left column	
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Kenneth Reginald Moon  
AGENT FOR THE APPLICANTS

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